No. 13.

DEPARTMENT OF PUBLIC INSTRUCTION,

STATE OF NEW-YORK.

BOARD OF EDUCATION,

CITY OF NEW-YORK, DECEMBER 7, 1862.

Mr. Tuthill presented the Eleventh Annual Report of the Faculty of the Free Academy to the Board of Education.

Ordered, That said Report be printed.

Thomas Boese,
Clerk.
ELEVENTH ANNUAL REPORT
OF THE
FACULTY OF THE FREE ACADEMY,
to the
BOARD OF EDUCATION.

Free Academy, New-York,
July 15th, 1862.

The Committee to prepare the Annual Report to the Board of Education, respectfully submit the following for the consideration of the Faculty, and recommend its adoption.

J. T. Benedict, H. J. A. Koerner, G. W. Huntsman,
Committee of the Faculty.

On motion, the Report was adopted, and the President and Secretary of the Faculty were directed to sign and transmit the same to the Board of Education.

Gerardus B. Docharty,
Secretary.
The number of Students who left the Institution during the First Academic Term, ending Feb. 13th, 1862, was 152:

From Senior Class ........................................ 2
  " Junior " ........................................ 6
  " Sophomore " ..................................... 22
  " Freshman " ...................................... 33
  " Introductory " .................................. 89

  Total ............................................. 152

At the examination for advancement, from February 3d to February 13, 1862, there were on the rolls of the Institution (under Graduates) 661, viz.:

Senior Class contained .................................. 34
  All of whom were advanced.

Junior Class contained .................................. 63
  All of whom were advanced.

Sophomore Class contained ................................ 86
  All of whom were advanced.

Freshman Class contained .................................. 136
  All of whom were advanced.

Introductory Class contained ................................ 342
  All of whom were advanced.

The following list contains the names of those Students who left the Institution during the first Academic Term, viz.:

Senior Class.


Junior Class.

Brush, Clinton E.,  Million, Michael J.,
Green, Garrit E.,  Mix, William B.,
Sophomore Class.

Abbott, John McI., Jackson, Daniel,
Amory, John C., King, William A.,
Bell, James D., Laderer, Samuel L.,
Bettman, Marcus, Lovejoy, Samuel C.,
Blackmer, Ernest, Robinson, James W.,
Budenback, Oswald, Souder, James H.,
De Greck, Otto, Stevenson, Andrew, Jr.,
Ellsworth, Washington W., Thompson, David A.,
Fitzsimmons, John, Tindall, Edward,
Holmes, Francis G. D., Turner, William J.,
Hopping, George W., Winter, Edward—22.

Freshman Class.

Brown, Charles E., Kellogg, Henry W.,
Bylandt, John E., Ketchum, Charles L.,
Cameron, John S., King, Henry L.,
Davis, Abraham B., Jones, David G.,
Elwood, Charles E., Littlefield, Leonard G.,
Ennis, James, Lovejoy, Josiah T.,
Flanagan, James, Malloy, Henry F.,
Gourley, Colin, Miles, Edward D.,
Gray, Henry P.\'Jr., O'Conner, Eugene,
Harrington, Elliott G., Orr, Joseph,
Harrison, William G., Osgood, Henry,
Hervey, Daniel E., Seeley, Charles W.,
Hitchcock, Roswell D., Jr., Sturgis Edward,
Hogan, Edward P., Thatcher, John C.,
Hunt, Henry Clay, Thorp, William C.,
Jacobs, Alfred U., Valentien, Warner H.,

Valentine, George F.—33.

Introductory Class.

Adams, George W., Baldwin, William S.,
Allen, Theodore L., Barter, Benjamin, G.,
Ash, John W., Bartlett, Washington S.,
Bear, Samuel L.,
Bloomingdale, Samuel E.,
Bodine, Hiram A.,
Bogert, John A.,
Bonehill, James H.,
Braisted, Henry C.,
Buchanan, Thomas R.,
Burdett, Jesse B.,
Burtner, Daniel A.,
Campbell, Arthur N.,
Caudell, Frank C.,
Chadsey, Charles A.,
Cowley, Thomas A.,
Cremin, Joseph D.,
Crow, John Charles,
Dakin, Edward B.,
Davis, Elias D.,
Demarest, Charles W.,
Demarest, James H.,
Denan, Thomas J.,
Donahoe, Henry W.,
Doran, Thomas L.,
Elder, Francis,
Emrich, Frederick,
Farley, William B.,
Faron, Augustus D.,
Grant, Charles A.,
Guion, Edward M., Jr.,
Hahn, Isaac H.,
Hansen, Edward D.,
Hart, Charles,
Hatch, Harvey W.,
Hawkins, William L.,
Hennion, Andrew J.,
Hogan, Thomas,
Holland, George,
Johnston, Samuel F.,
Jordan, Charles,
Kearney, William J.,
Kewan, Pierce,
Kelly, John,

Kelly, John Jos.,
Kraft, Philip E.,
Leggett, William,
Leonard, William C.,
Lewin, Lewis,
Lewis, William H.,
Love, James P.,
Mack, John A.,
Manning, John L.,
McGrath, Edward,
McNespis, Joseph J.,
Meade, Thomas J.,
Merritt, John F.,
Mills, John E.,
Mix, Ferdinand M.,
Murphy, Matthew R.,
O'Brien, Michael J.,
Paul, William McN.,
Peck, George,
Pelz, Emile,
Pierron, John,
Poillon, Richard H.,
Quinn, John W.,
Reynolds, James,
Roberts, Edward,
Robertson, Kenneth,
Rodin, William H.,
Scatiffe, James,
Schoen, Godfrey,
Scott, Edgar,
Searles, Whittlesey D.,
Secord, William K.,
Sillock, Poole B.,
Sorven, Ferdinand L. W.,
Snecker, William H.,
Tate, Godfrey E.,
Thompson, Edwin D.,
Van Dyke, Thomas Jr.,
Wallen, Henry D.,
Wernberg, Jeremiah A.,
Wilson, Samuel H.,

Winter, William J. — 89.
## Recapitulation

<table>
<thead>
<tr>
<th>Class</th>
<th>At opening of Term.</th>
<th>Left during Term.</th>
<th>At close of Term.</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Senior Class</td>
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<td>34</td>
</tr>
<tr>
<td>In Junior Class</td>
<td>69</td>
<td>6</td>
<td>63</td>
</tr>
<tr>
<td>In Sophomore</td>
<td>108</td>
<td>22</td>
<td>86</td>
</tr>
<tr>
<td>In Freshmen</td>
<td>169</td>
<td>33</td>
<td>136</td>
</tr>
<tr>
<td>In Introductory Class</td>
<td>431</td>
<td>89</td>
<td>342</td>
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</tbody>
</table>

813 152

Total on Rolls at Examination, February, 1862...661

## Second Academic Term

The second Academic Term commenced February 13, 1862, at which time there were on the Rolls of the Institution 664 students, viz.:

- On Examination Rolls...
- Admitted to Freshman Class...
- " Introductory Class...

Total...

664

The Students were classified as follows, viz.:

<table>
<thead>
<tr>
<th>Class</th>
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</tr>
</thead>
<tbody>
<tr>
<td>In Senior Class</td>
<td></td>
</tr>
<tr>
<td>In Junior Class</td>
<td>63</td>
</tr>
<tr>
<td>In Sophomore</td>
<td>84</td>
</tr>
<tr>
<td>In Freshmen</td>
<td>139</td>
</tr>
<tr>
<td>In Introductory Class</td>
<td>344</td>
</tr>
</tbody>
</table>

Total at Commencement of Term...

664

The number of Students who left the Institution during the Second Academic Term, ending July 15th, 1862, was 131, viz.:

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<tr>
<th>Class</th>
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</thead>
<tbody>
<tr>
<td>From Senior Class</td>
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<tr>
<td>&quot; Junior</td>
<td>7</td>
</tr>
<tr>
<td>&quot; Sophomore</td>
<td>8</td>
</tr>
<tr>
<td>&quot; Freshman</td>
<td>36</td>
</tr>
<tr>
<td>&quot; Introductory Class</td>
<td>80</td>
</tr>
</tbody>
</table>

Total...

131
The examination of Students for advancement, Second Academic Term (from June 29 to July 10), resulted as follows, viz.:

At the opening of the term—
Senior Class contained (as before mentioned).................. 34
All of whom graduated.
Junior Class contained (as before mentioned)............... 63
Of whom 7 left during the term.
44 were advanced.
12 were not advanced.

Sophomore Class contained (as before mentioned)......... 84
Of whom 8 left during the term.
68 were advanced.
8 were not advanced.

Freshman Class contained (as before mentioned).......... 139
Of whom 36 left during the term.
90 were advanced.
13 were not advanced.

Introductory Class contained (as before mentioned).... 344
Of whom 80 left during the term.
188 were advanced.
76 were not advanced.

The following list contains the names of those Students who left the Institution during the Second Academic Term, viz.:

Senior Class.

(None.)

Junior Class.

Breath, Charles,    Kitchen, James,
Goodnow, Edward K., O'Conner, Charles H.,
Henderson, Edward H., Sands, James G.,
Wolfehun, Henry—7.
Sophomore Class.

Adams, Charles D.,
Frick, Charles,
Gavey, Camile P.,
Ingersoll, William H.,
Kent, John T.,
Matthews, Smalldridge,
Van Pelt, Charles W.,
Waller, Frank—8.

Freshman Class.

Anderson, Robert S.,
Bachrach, Martin,
Brill, Maximilian,
Brown, Abraham,
Brown, Ansel B.,
Brown, Charles De C., Jr.,
Cargill, William,
Caswell, Alexander A.,
Clark, John N.,
Clarkson, Samuel F., Jr.,
Davis, Isaac S.,
Dodge, Frederick N.,
Edgar, James M., Jr.,
Gaffey, Edward,
Gimbernat, Charles,
Goldsmith, Charles,
Goldsmith, Henry,
Groesbeck, Edward Lee,
Hall, Ralph E.,
Jenks, Francis M.,
Levy, Arthur,
Marbury, Gilbert J.,
Moore, Edgar,
Murphy, Daniel A.,
Oettinger, Phillip J.,
Patterson, Andrew S.,
Phelan, William H. H.,
Porter, Gerald L.,
Raynor, Samuel J.,
Slater, Samuel E.,
Suffern, Edward L.,
Trisdorfer, Isaac,
Underhill, Stephen M.,
Van Wagenen, Cornelius S.,
Youngs, Gilbert A.,
Zacharie, Charles L.—36.

Introductory Class.

Alger, Alexander,
Baker, Edmund S., Jr.,
Baker, William H.,
Barnes, William,
Bateman, Richmond C.,
Boland, John M.,
Breath, John A.,
Brooks, Alexander,
Brown, Stephen E.,
Caffrey, Warren,
Carlisle, William, Jr.,
Casserly, Joseph F.,
Cohen, Eleazer,
Condon, John,
Cook, Moses,
Cooper, Thomas,
Day, Horace W.,
De Forrest, Charles R.,
Dick, William T.,
Dominick, James W., Jr.,
Fisher, Samuel M.,
Fry, Edward W.,
Getty, William J.,
Giffing, John F.,
Gutman, Robert S.,
Hausser, Samuel,
Heitman, Albert,
Hindhaugh, William,
Holland, Thomas,
Holme, William H.,
Horton, Benjamin O.,
Howland, William W.,
Hunter, John,
Irwin, Thomas J.,
Jaques, Washington L.,
Johnson, Frank M.,
Judson, Amos,
Keegan, Alfred J.,
Keeping, Foster,
Kelly, John M.,
Klenen, Martin,
Leveridge, Benjamin S.,
Levy, Benjamin,
Levy, Mordecai A.,
Lichtenstein, Isaac M.,
Lyon, William C.,
McCollum, Arthur,
McCullum, Frank,
McGuire, Philip J.,
McIntyre, James W.,
Merritt, Austin B.,
Miller, Thomas L.,
Mitchell, Latham,
Morris, Charles,
Murray, Alexander M.,
Newell, Charles E.,
Noonan, Edward, Jr.,
Nutting, Lucius H.,
Oakley, Walter, Jr.,
Percy, George R.,
Pfeiffer, Theodore H.,
Platt, William H.,
Redding, Winfield S. M.,
Ross, William Henry,
Ruhl, Henry C.,
Scribner, Charles R.,
Small, James Alcock,
Smith, Thomas West,
Smith, William Henry,
Snape, John James,
Sperling, Francis,
Stevenson, William T.,
Stout, Andrew V., Jr.,
Stuyvesant, Samuel B.,
Swayzee, Milton R.,
Tate, Charles,
Thompson, George,
Wildey, Caleb,
Wilson, Henry L.,
Wisner, John H.—80.
### Recapitulation

<table>
<thead>
<tr>
<th>Class</th>
<th>At opening of Term.</th>
<th>Left during Term.</th>
<th>At close of Term.</th>
</tr>
</thead>
<tbody>
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<td>Senior</td>
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</tr>
<tr>
<td>Junior</td>
<td>63</td>
<td>7</td>
<td>56</td>
</tr>
<tr>
<td>Sophomore</td>
<td>84</td>
<td>8</td>
<td>76</td>
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<tr>
<td>Freshman</td>
<td>139</td>
<td>36</td>
<td>103</td>
</tr>
<tr>
<td>Introductory</td>
<td>344</td>
<td>80</td>
<td>264</td>
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</table>

Total on Rolls at the close of the Term, July, 1862: 533
Graduated (Senior Class), July, 1862: 34

Total: 499

The examination for Advancement commenced June 29th, and ended July 10th, and the examination for admission commenced July 10th, 1862.

There were five hundred and twenty-seven (527) applications for admission from the various Grammar Schools of the city. Of the number examined, four hundred and fourteen (414) were admitted as having passed a good examination in those studies prescribed by the rules regulating the admission of Students to this institution, and one hundred and thirteen (113) having been found deficient in those studies necessary for admission, were rejected.

Of the number admitted, three were admitted to the Freshman Class, and one to the Sophomore Class.

Of the number admitted, one hundred and ninety-two (192) chose the study of the Ancient Languages, and two hundred and twenty-two (222) chose the study of the Modern Languages.
SCHEDULE.

The following schedule contains the number of candidates presented for examination, those admitted and rejected, and the Schools from which they were presented:

<table>
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<th>School</th>
<th>No. Presented</th>
<th>No. Examined</th>
<th>No. Rejected</th>
<th>No. Admitted</th>
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<td>31</td>
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</tbody>
</table>

|       | 527           | 527           | 113           | 414           |

Schools Nos. 1, 3, 5, 6, 13, 22, 25, 26, 27, 30, 33, 36, 38, 46, 47, and 50, presented no candidates for examination.

The average age of those admitted is 15 years, 3 months, and 25 days; and the average time of attendance at the Grammar Schools was 3 years, 3 months, and 25 days.
DEFICIENCIES.

Of the candidates presented for examination, there were found deficient—

In Spelling.............................. 22
In Writing............................... 54
In English Grammar..................... 56
In Arithmetic............................ 84
In Algebra............................... 87
In Geography............................ 61
In History............................... 64
In Constitution U. S.................... 31
In Book-keeping......................... 166
AWARD OF MEDALS AND PRIZES

AT COMMENCEMENT, JULY, 1862.

The annual award of Medals and Prizes at the Commencement of the Free Academy, July 15th, 1862, was made as follows, viz.:

The Pell Medal.

First Prize, Gold Medal.

To John Lemaire Zabriskie, of the Junior Class.

Second Prize, Silver Medal.

To Augustus Dennis Fitch, of the Senior Class.

Third Prize, Silver Medal.

To Otto Emile Michaelis, of the Senior Class.

The Burr Medal.

First Prize, Gold Medal.

To Otto Emile Michaelis, of the Senior Class.

Second Prize, Silver Medal.

To Wilson Berryman, of the Senior Class.
The Cromwell Medal.

First Prize, Gold Medal.

To William Lanman Bull, of the Sophomore Class.

Second Prize, Silver Medal.

To Henry Bawden, of the Sophomore Class.

The Ward Medals.

For Chemistry ...................... to Arthur M. Lee, Senior Class.
" Natural History .................. " Chas. A. Needham, Introductory Class.
" Natural Philosophy .............. " Thomas Ferrier, Jr., Junior Class.
" Moral Philosophy ................ " Eldred A. Carley, Senior Class.
" Law ............................. " Augustus D. Fitch, Senior Class.
" English ........................ " Eustace W. Fisher, Junior Class.
" Greek .......................... " Charles Roberts, Jr., Senior Class.
" Latin .......................... " Otto E. Michaelis, Senior Class.
" French ........................ " Adolph L. Sanger, Senior Class.
" Spanish ......................... " Sidney H. Stuart, Jr., Senior Class.
" German ........................ " Fred. W. M. Kamm, Sophomore Class.
" Oratory ........................ " Arthur M. Lee, Senior Class.
" Composition ..................... " Adolph L. Sanger, Senior Class.
" Logic .......................... " Townsend Wandell, Junior Class.
" Astronomy ....................... " Thomas Ferrier, Jr., Junior Class.
" History ........................ " William L. Bull, Sophomore Class.
" Drawing ........................ " Philip W. Burrell, Sophomore Class.
" Engineering ..................... " Augustus D. Fitch, Senior Class.
" Hygiene ........................ " Albert Woolf, Introductory Class.

In addition to the Students named above, the following received Certificates, stating that, in the respective departments in which said
Certificates were given, the recipients were equal in merit with the one who obtained the medals:

In English—James M. Hartt, Isaac M. Labagh, John L. Zabriskie, of the Junior Class.


In Logic—Thomas, Ferrier, Jr., John L. Zabriskie, of the Junior Class.

In Astronomy—George W. Stephens, John L. Zabriskie, of the Junior Class.
MONEY PRIZES.

Augustus H. Ward, Esq., a liberal-minded and public-spirited gentleman of this city, again offered the necessary funds for the following money prizes, viz.:

To each of the following students, who received one medal each:

To Eldred A. Carley, of the Senior Class. .................. $5
" Otto Emile Michaels, of the Senior Class. ............... 5
" Charles Roberts, Jr., of the Senior Class. ............... 5
" Sidney H. Stuart, Jr., of the Senior Class. ............... 5
" Eustace W. Fisher, of the Junior Class. .................. 5
" Townsend Wandell, of the Junior Class. .................. 5
" William L. Bull, of the Sophomore Class. ................ 5
" Philip W. Burrell, of the Sophomore Class. ............... 5
" Fred. W. M. Kamm, of the Sophomore Class. ............. 5
" John Joseph Casey, of the Introductory Class. ........... 5
" Chas. A. Needham, of the Introductory Class. ............ 5
" Albert Woolf, of the Introductory Class. ................. 5

To each of the following Students, who received two medals each—

To Augustus D. Fitch, of the Senior Class. .................. $15
" Adolph L. Sanger, of the Senior Class. .................. 15
" Arthur M. Lee, of the Senior Class. ..................... 15
" Thomas Ferrier, Jr., of the Junior Class. ................ 15

PRIZES FOR DECLAMATION—1862.

Prose.

The Annual "Prize of the President of the Board of Education," for excellence in Public Speaking, was awarded by the Committee on Prize Speaking—

To Thomas B. Wiley, of the Junior Class, a copy of "Irving's Life of Washington."
Poetry.

The Annual "Prize to the best declaimer of a selected poem," was awarded, by the Committee on Prize Speaking—

To Arthur M. Lee, of the Senior Class, a copy of "Longfellow's Poems."

PRIZE FOR TRANSLATION FROM FRENCH.

The Annual Prize for the best translation from the French into English, offered by a gentleman of this city, was awarded

To Adolph L. Sanger, of the Senior Class, a copy of the "Illustrated Fables of Lafontaine."

ANNUAL PRIZES FOR PROFICIENCY IN FRENCH.

The Annual Prizes of the "Proprietors of the Courrier des Etats-Unis," was awarded, as follows, viz.:

Freshman Prize.

To George Stephens, Jr., of the Freshman Class, a permanent subscription to the Daily Courrier.

Introductory Prize.

To John Joseph Casey, of the Introductory Class, a permanent subscription to the Weekly Courrier.
HONORS.

The honors at Commencement were as follows:

Valedictory Address*.......................... CHARLES ROBERTS, JR.
Salutatory Address............................ OTTO E. MICHAELIS.
Third Honorary Oration........................ WILSON BERRYMAN.
Fourth " " AUGUSTUS D. FITCH.
Fifth " " ELDRED A. CARRLEY.
Sixth " " WM. H. H. GRANBERY.
Seventh " " ELIHU DWIGHT.
Eighth " " SIDNEY H. STUART, JR.
Ninth " " ADOLPH L. SANGER.

* The Valedictory and Salutatory Addresses were of equal honor at this Commencement.
DEGREES CONFERRED,

JULY, 1862.

GRADUATING CLASS.

Bachelors of Arts.

Aiton, William,  
Berryman, Wilson,  
Boyer Edward Hoofsmire,  
Brekes, David,  
Brower, John Lovett,  
Cahill, William Edward,  
Carley, Eldred Absalom,  
Dwight, Elihu,  
Fitch, Augustus Dennis,  
Granbery, Wm. Henry H.,  
Hoyt, Harlow Mather,  
Lee, Arthur Malachi,  
Lord, Henry,  
McAfee, Knox,  
Michaelis, Otto Emile,  
Needham, George Gordon,  
Newschafer, William Henry,  
Roberts, Charles, Jr.,  
Roberts, Nathan Benjamin,  
Sanger, Adolph Lewis,  
Snow, Geo. Washington, Jr.,  
Spencer, Galen Carter,  
Stoutenburgh, William,  
Strong, Richard Polk,  
Sutherland, John McClellan,  
Trippe, James Mathews.  
Walther, Peter,*  
Ward, Caleb Theophilus,

Bachelors of Sciences.

Adams, Augustus Reiner,  
Honner, John,  
Koch, Joseph,  
Page, James Seaver,  
Slocum, William Edwin,  
Stuart, Sidney Harrison, Jr.,  
Thurston, George Washington.

* Of the Class of 1854.
ALUMNI.

Masters of Arts.
Appleton, John Perrin,
Dresser, Horace Erastus,
Elliott, Richmond Bullock,
Fitzpatrick, James Charles,
Gardner, Asa Bird,
Gilley, Franklin William,
Howland, Elijah Alvord,
Knox, James,
Kursheedt, Manuel Augustus,
Lozier, Abraham Witton,
Mackie, Simon Frazer,
Mann, William,
Quinn, William Bernard,
Seaman, James Alfred,
Tisdall, Fitzgerald,
Woolf, Solomon.

Masters of Sciences.
Carolin, John Aloysius,
Mortimer, Charles Merritt.
 NAMES OF STUDENTS

Admitted to the Introductory Class, at the Examination, July, 1862.

Adee, George Washington,  Brady, Owen James,
Aiken, Albro,  Brewster, Henry Hull,
Allan, Thomas Thomson,  Brower, John Lefoy, Jr.,
Allen, John Edwin,  Brown, Franklin,
Anthony, William Gilbert,  Brown, Robert William,
Arden, Charles Lee Frank,  Brush, Charles Benjamin,
Arnold, Edward Ruthven,  Buckelew, John Frederick,
Atwill, George Pellisier,  Buckley, Lawrence,
Backus, Henry Landon,  Buermeyer, Ferdinand Frederick,
Badeau, Charles Henry,  Buckmaster, George,
Bailey, Warren Augustine,  Buggy, Dennis,
Bailey, William Lamont,  Burg, Alonzo,
Baird, James Alexander Dunn,  Bushe, Eugene Lewis,
Baldwin, William Reynolds,  Butzell, Lewis John,
Baker, Townsend Dickinson,  Butzell, Meyer,
Banta, Voorhis,  Byrne, Edward Joseph,
Barker, John Legrand,  Byrne, John Francis,
Barnum, Joshua Willets,  Campbell, Wm. James De Wick,
Bathurst, James,  Carlin, John Wilberforce,
Bell, Albert,  Carpenter, Richard Franklin,
Bettman, Daniel,  Carter, William C.,
Biglin, Philip Stephen,  Chapman, Henry Fowler,
Black, James Stewart,  Chatillon, George Henry,
Blasdell, James Henry,  Chambers, John,
Blondel, Eugene,  Chesebro, Luke Barker,
Blucher, William Anthony,  Clark, Charles Hopkins,
Blume, Andrew,  Clark, Charles Shields,
Boddy, Edward,  Clark, Edgar Olcott,
Bogart, John, Benjamin,  Clark, William Hudson,
Bogart, William Henry,  Close, David Augustus,
Boscowitz, Julius Caesar,  Cohn, Lewis,
Bowne, Samuel Akerly,  Cole, Theodore,
Braden, Augustus,  Conklin, James Samuel,
Bradley, Alexander Orr,
Conner, John,
Cook, Charles Frederick,
Cook, Cornelius Wyckoff Skedoff,
Cook, George Harvey,
Corbett, Louis,
Cowen, John Nathan,
Cremin, Joseph Daniel,
Cruttenden, Thomas Spencer,
Cumming, William James,
Cunningham, William Jay, Jr.,
Curtis, Charles Frederick,
Curtis, Elias W.,
Curtis, John Washington,
Curtis, Weart Putnam,
Daniels, Charles Horace,
Dayton, Charles Willoughby,
Dean, Thomas Withers,
Deans, William, Jr.,
Delaney, Dennis John,
Denison, Henry Clay,
Dennison, Ransom G. W.,
Devoe, Daniel Magie,
Dickey, James,
Dickinson, Townsend,
Dickson, John James,
Disney, Edward Woldington,
Dodge, Joseph Edward,
Dollard, James Joseph,
Donaldson, James,
Donaldson, Richard,
Dougherty, John,
Douglas, Crawford,
Dowe, John Albert,
Duckworth, William Henry,
Du Moulin, Charles Augustus,
Dupignac, James Harrison,
Elder, Francis,
Elliot, Selah Hiler,
Ellingham, Edwin,
Ellsworth, Benjamin Franklin,
Evans, John Henry,
Fairman, Robert Henry Batlin,
Farley, Cornelius Joseph,
Farnsworth, Edward,
Farnsworth, James Mace,
Farrell, Edward D.,
Felton, James Warren,
Fisher, Edward,
Fisher, John Michael,
Fitch, Ardon Seymour,
Fletcher, Joseph,
Forshay, Lewis Sayre,
Freeland, Nicholas Henry,
French, Charles Heiser,
Friend, Lewis Frederick,
Friend, Samuel,
Frost, William Cummings,
Furey, Nicholas Edward,
Gales, Joseph,
Galligan, John James,
Gamble, Adam,
Giffin, John Henry, Jr.,
Gilfeather, Owen,
Gilhooley, Andrew Jackson,
Gillon, Anthony Thomas,
Gleason, Patrick,
Goldbacher, Ernest,
Goldsmith, Eleazer,
Goodheim, Charles,
Graham, Charles Douglas,
Grau, Morris Henry,
Graves, Joseph Barr,
Gray, James Shepard,
Gray, John Howard,
Greason, Samuel,
Griffith, William Henry, Jr.,
Griffiths, Evan, Jr.,
Griten, Edwin Wallace,
Gugeler, Julius P.,
Haas, Jacob Leopold,
Haber, Ferdinand,
Hadden, Joseph Randolph
Haggerty, Michael Joseph,
Hall, Theodore,
Hall, William Edward,
Hall, William Forbes,
Halstead, Samuel Martin,
Hamilton, John William,
Hanks, Arthur Morton,
Hanson, James Edwin,
Harding, Henry Clay,
Hardy, William Lewis,
Harrison, William Henry,
Hartshorn, Charles Edward,
Hartt, Andrew Henry,
Hartt, James,
Harwin, James Joseph,
Haynes, Derrick Westley,
Hedden, Theodore,
Hemming, William Samuel,
Herrick, Eugene Leo,
Herts, Isaac Henry,
Hicks, William Henry,
Higgins, Francis Taylor,
Hillyar, Charles Virgil,
Hindhaugh, William,
Hinman, Arthur Patterson,
Hiscox, Charles E.,
Hiscox, Edwin T.,
Holden, William Henry,
Hollaban, Maurice Francis,
Holme, Joseph Curry,
Hoope, Anthony J.,
Hoope, Richard Browne,
Hopkins, Henry Connor,
Hoppock, Leland,
Houghton, Addison Hathaway,
Houghton, James Lincoln,
Howell John, Hubbard,
Hunt, David Brainard,
Hutchinson, Richard,
Hymans, Lewis,
Isaacs, Charles Samuel,
Jacobs, Harris,
Jeckel, Alfred Edward,
Jex, William, Jr.,
Johnson, Charles Albert,
Johnson, Samuel Fox,
Johnston, Robert Geary,
Jollie, James,
Jolly, John Francis,
Judson, Alfred Mills,
Kane, John Joseph,
Kasprowicz, Paul,
Kaufman, Felix,
Ketchum, Daniel Phœnix,
Kelly, Francis,
Kelly, James Riley,
Kelly, John Matthew,
Kelly, Stephen,
Kennedy, Howard Furman,
Kind, Emanuel,
Kirchhuger, Siegfried Henry,
Kliener, Meyer,
Knox, James Chrystie,
Knowlton, Charles Henry,
Krouse, Otto Herman,
Langstroth, James Hatherington,
Law, William,
Lawrence, Elijah Edward,
Layng, William James,
Lefferts, George Morewood,
Lemon, Peter Augustus,
Leventritt, Marion,
Levy, Arthur W.,
Levy, Joseph,
Levy, Joseph John,  
Levy, Lewis Boaz,  
Lewis, Noah Tompkins, Jr.,  
Lilienthal, Benjamin Nettre,  
Livingston, Frederick,  
Lockwood, Frederick,  
Lockwood, John Alonzo,  
Looke, Robert Hope,  
Lowenberg, Adolph Simon,  
Lyon, George Sampson,  
Magrath, William,  
Mahoney, Jeremiah Andrew,  
Mahoney, John Joseph,  
Mandeville, William Sullivan,  
Manning, John Lawrence,  
Marks, Wolf David,  
Mayer, Herman,  
McArthur, John,  
McBride, John Joseph,  
McCafferty, Bernard,  
McCord, William Hewlitt,  
McCosker, Peter Joseph,  
McDougall, John Wilson,  
McErnoe, Benjamin,  
McIntyre, Joseph Sullivan,  
McRea, William,  
Mead, Thomas Joseph,  
Mendelshon, Herman,  
Melville, Edgar Mortimer,  
Messick, Charles,  
Meyer, Charles Augustus,  
Meyer, John Francis,  
Miller, Charles G.,  
Miller, Edwin Mortimer,  
Miller, Robert Spier,  
Mills, Henry Randall,  
Miner, Willis Parker,  
Monaghan, John Thomas Joseph,  
Moore, George William,  
Morgan, Charles Hubbard,  
Morrison, Charles Lewis,  
Morrison, John Hamilton,  
Morse, Edward Clarence,  
Morse, Frederick,  
Moses, Albert,  
Mottet, Henry,  
Mulligan, Thomas Francis,  
Myers, Cornelius John,  
Nealis, Francis,  
Neuman, John Whitehead,  
Newbold, Henry Post,  
Newburgh, Henry,  
Newstadt, Emil,  
Nicholson, Charles Baudouine,  
Noe, Franklin Beebe,  
Nordlinger, Moses,  
Nugent, John,  
O'Keefe, Patrick Matthew,  
O'Neil, James Patrick,  
O'Rorke, Francis John,  
O'Rorke, John Joseph,  
Osterweis, Marx,  
Owen, Frank Eugene,  
Owens, Edwin Forrest,  
Page, Bartlett Brooks,  
Page, David James,  
Patterson, Franklin Bay,  
Paxton, Frank,  
Payntar, John William,  
Peck, Charles Augustus,  
Peck, George,  
Pendergast, Michael James,  
Penfield, Edward Zina,  
Perry, John,  
Peterson, Charles,  
Phelan, William Charles,  
Pinckney, Albert,  
Pinckney, Isaac Micajah,
Pope, William Barent,
Post, Judson,
Putzel, Lehman,
Raiman, Insall,
Rauth, Aaron Jacob,
Reed, John Montgomery,
Reid, William,
Reiner, Augustus,
Riblet Albert,
Ridley, Edward Albert,
Robitscher, Gustav,
Roden, Robert,
Rogers, Philip Smith,
Rosenblatt, Moses,
Rosevelt, Nicholas Latrobe,
Ross, Alexander Henderson,
Ross, William George,
Rouse, Martin Walter,
Rovira, Francis,
Rowe, Lewis Livingston,
Sackett, William Edgar, Jr.,
Safford, Ebon D.
Sandford, Clarence Torbert,
Savage, James Peter,
Sack, Albert Peter,
Schaffer, Newton Melman,
Schafrer, Henry Lewis,
Schroeder, Charles Downing,
Scribner, Charles Theo. Tremain,
Seaman, William Todd,
Sears, Joseph Raymond,
Seldon, Ethelbert,
Shafto, George W.,
Sheldon, Clarence Benson,
Shepard, Lorenzo Brigham,
Shephard, Joseph Battell,
Sieberg, Hugo Edward Eugene,
Silleck, John Halstead,
Simonds, William Gustavus,
Simonson, William,
Sinclair, Hector,
Smith, George Washington,
Smith, Henry Leavitt,
Smith, John Donohue,
Smith, Mahlon Brewster,
Smith, Robert Whitehill,
Smith, William Allen,
Snyder, Frederick Griswold,
Snyder, Peter,
Spaulding, Marquis Barnes,
Spiers, Moses Milton,
Spinger, Thomas Jefferson,
Springsteen, Warren,
Starkey, John William,
Stephens, Charles William,
Stewart, Arthur,
Stewart, George,
Stillman, Joseph Frederick,
Stratton, Edwin Hatfield,
Sudlow, George Jay,
Sullivan, Richard Joseph,
Symes, James Henry,
Tait, John Robert,
Tate, Lewis,
Taylor, Charles,
Taylor, John Alonzo,
Taylor, Stevenson,
Taylor, Sutherland Gazzam,
Taylor, William Hyland,
Terhune, Edward Sidney,
Thompson, Benjamin Pike,
Thompson, Charles Albert,
Tieman, Daniel Fois,
Tissington, Henry Thomas,
Tone, Daniel,
Totman, James F.,
Townsend, Edward,
Townsend, Edward,
Tracy, Matthew,  
Treacy, George Alfred,  
Tucker, Stanton,  
Underhill, John Quincy,  
Valerino, Francis Ball,  
Vanderbilt, Charles Wright,  
Van Woent, James Burtis,  
Varian, Charles Rae,  
Vaughan, William D. S.,  
Vernon, Charles Everett,  
Vervalen, Earle,  
Watson, Francis Patten,  
Watson, William Henry,  
Weldon, Thomas James,  
Weston, Herbert Clinton,  
Whitehill, James,  
Williams, Charles Eugene,  
Wilmont, Thomas Ashmore, Jr.,  
Wilson, Henry Augustus,  
Wilson, James A.,  
Wilson, James Barr,  
Wilson, Samuel W.,  
Wolfe, Francis,  
Wood, Charles Henry,  
Wood, John Richardson,  
Worcester, Albert Augustus,  
Wotton, James Avery,  
Yzquierdo, Manuel Salustiano,  
Zabriskie, Charles Frederick,  
Zollicoffer, Oscar Faber.

The following named Students were admitted to the Freshman Class, viz.:

Cohen, Solomon,  
Youngs, William Henry Walmsley.

The following named Student was admitted to the Sophomore Class, viz.:

Lane, William Henry.
GENERAL REMARKS.

The Faculty have thought proper in their Annual Report to the Board, to offer, in addition to the usual statistics of former Reports, some general remarks upon the origin, growth, and present condition of the Academy. This Institution, like all human organizations which are destined for permanent duration, has had to pass through its experimental and transitional periods, before it could become adjusted to the wants of the society for which it was designed. That it has satisfied these wants, with so little change in its original plan, attests both the wisdom of its founders and the good management of subsequent Boards.

The Academy has now been in operation over fourteen years, during which period, there has been a very large increase in the annual number of the graduates; the total number has increased from 143 to 916, the present number on the rolls; and 3,821 members have been received into the different classes, and have had the benefit of a practical, scientific, and classical course of instruction, for a period of from one to five years.

To obtain, however, a more definite and particular idea of the progress of the Academy, the time during which it has been in operation, may be considered as composed of two periods; one extending from its organization in 1849 to 1853, when a graduating class was first sent forth; the other embracing the ten years from 1853 to 1863, during which, it may be said, that it has been gradually realizing the idea first formed in the minds of its founders.

During the first of these periods, which was of necessity one of experiment, classes were admitted semi-annually, under the names of
A, B, C, D, &c.; the semi-annual classes were consolidated into annual classes; and the names were changed from A, B, C, &c., to the usual Academic names in other institutions. This early organization, consolidation, and change of names, may be illustrated by the following

<table>
<thead>
<tr>
<th>TABLE</th>
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<tbody>
<tr>
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<tr>
<td>July 1848</td>
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<td>Feb. 1849</td>
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<td>July 1849</td>
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<tr>
<td>Feb. 1850</td>
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<tr>
<td>July 1850</td>
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<tr>
<td>Feb. 1851</td>
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<tr>
<td>July 1851</td>
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<tr>
<td>Feb. 1852</td>
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<tr>
<td>July 1852</td>
</tr>
</tbody>
</table>

The Faculty and the Executive Committee, at an early day, called the attention of the Board to the confusion that would arise from the admission and graduation of two classes annually. To obviate this difficulty, it was proposed, in 1852, to form five annual classes, A, B, C, D, and E, out of the seven semi-annual classes A, B, C, D, E, F, and G, which, at that time, had been admitted. At the time of the consolidation, July 1852, the classes were composed as follows:

Class A, of 10 Students. Admitted Feb. 1849, 143.
Class B, of 15 " July, 1850, 58.
Class C, of 22 " Feb., 1850, 52.
Class D, of 27 " July, 1851, 81.
Class E, of 47 " Jan., 1851, 105.
Class F, of 94 " July, 1851, 130.
Class G, of 158 " Jan., 1852, 130.

Total, 373 in July, 1852.
After the consolidation, and the admission of an eighth class, the term, in September, 1852, opened with the classes as follows:

Class A, of 25, formed of old A and B.
Class B, of 48, formed of old C and D.
Class C, of 106, formed of old E and F.
Class D, of 135, formed of old G.
Class E, of 183, formed of new class, H.

Total, 497 in September, 1852.

By this simple modification, the confusion and changes, which would have occurred annually in the A and B classes, have been entirely avoided in subsequent years. The natural effect of the consolidation was to make the graduating classes for three or four years somewhat larger than they would have been. Although the first graduating class consisted of seventeen members, there were, in fact, among that number, only seven of the class admitted in February, 1849. The first, therefore, that could have been graduated upon the earlier plan, would have consisted of but seven students.

This increase in size of graduating classes, due to the consolidation, was felt from 1852 to 1855. Allowing for the average decrease from one class to another, the inferred number in the graduating classes, without consolidation, as compared with the actual number on the basis of consolidation, may be indicated as follows:

<table>
<thead>
<tr>
<th>Year</th>
<th>Without Consolidation</th>
<th>With Consolidation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1853</td>
<td>7</td>
<td>17</td>
</tr>
<tr>
<td>1854</td>
<td>15</td>
<td>20</td>
</tr>
<tr>
<td>1855</td>
<td>17</td>
<td>32</td>
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<tr>
<td>1856</td>
<td>20</td>
<td>20</td>
</tr>
</tbody>
</table>

The Faculty have been more particular on this point, in order to correct an erroneous impression in the minds of some, that the decrease in graduates from the years 1853 to 1856, was owing to a less flourishing condition of the Institution.

Since the year 1853, in which the names of the classes were changed to Introductory, Freshman, Sophomore, Junior, and Senior, the Academy has been gradually assuming its true position in relation to other institutions, and developing the peculiar ideas upon which it was established.
The result of the last ten years' growth is of so satisfactory a character, that the Faculty cannot refrain from calling the attention of the Board to a few deductions from the following

**Table:**

**Showing, the Total Number of Students in the Academy for Each of the last Ten Years, and the Number in each of the Classes; the Total Number taught in each of the Classes, and in the Academy; the Number of Graduates, and Resident Graduates; the Number of Teachers and Average Number of Students to each Teacher; the Average Decrease from the Lower Classes to the Higher; the Average Increase in the Total Number of Students for Ten Years, and in each of the Classes; and the per cent. that the Senior Class is of the Total Number and of the Number of each Lower Class.**

<table>
<thead>
<tr>
<th>Years</th>
<th>Total Number of Students</th>
<th>Total</th>
<th>Intr'y.</th>
<th>Fresh.</th>
<th>Soph.</th>
<th>Senior</th>
<th>Grad.</th>
<th>Res.G.</th>
<th>Teachers</th>
</tr>
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<tr>
<td>1852</td>
<td></td>
<td>497</td>
<td>183</td>
<td>135</td>
<td>106</td>
<td>48</td>
<td>25</td>
<td></td>
<td>22</td>
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<tr>
<td>1853</td>
<td></td>
<td>435</td>
<td>214</td>
<td>91</td>
<td>52</td>
<td>53</td>
<td>25</td>
<td>17</td>
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<td>1854</td>
<td></td>
<td>431</td>
<td>241</td>
<td>69</td>
<td>47</td>
<td>57</td>
<td>37</td>
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<td>1855</td>
<td></td>
<td>590</td>
<td>395</td>
<td>96</td>
<td>46</td>
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<td>21</td>
<td>32</td>
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<td>1856</td>
<td></td>
<td>719</td>
<td>468</td>
<td>137</td>
<td>56</td>
<td>29</td>
<td>20</td>
<td>39</td>
<td>12</td>
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<tr>
<td>1857</td>
<td></td>
<td>672</td>
<td>341</td>
<td>180</td>
<td>86</td>
<td>25</td>
<td>30</td>
<td>21</td>
<td>6</td>
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<tr>
<td>1858</td>
<td></td>
<td>771</td>
<td>437</td>
<td>147</td>
<td>104</td>
<td>30</td>
<td>20</td>
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<td>820</td>
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<td>767</td>
<td>506</td>
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One of the deductions from the above table, is the decrease in the number of students in passing from the lower to the higher classes. In some respects, it seems to be desirable to have the classes approach nearer to an equality; but this is not possible on the present liberal plan followed by the Board. Admission is granted to all who have made moderate attainments in the rudiments of an English education, while there is nothing to prevent the removal of students, who wish to engage in the various occupations, that are constantly demanding
their services. The decrease from one class to another, for the last ten years, has been as follows:

From the Introductory to Freshman............... 60 per cent.
From the Freshman to Sophomore.................. 48 per cent.
From the Sophomore to Junior..................... 34 per cent.
From the Junior to Senior......................... 33 per cent.

The decrease from the Introductory to the Freshman class, is, perhaps, greater than is desirable, and the Faculty would suggest to the Board that this inequality may be diminished, by admitting at the annual examinations, only those who are well qualified to commence the Introductory studies. This inequality between the upper and lower classes, is by no means peculiar to the Academy, but exists in the Grammar Schools of the city.

In discussing the true character and importance of the Introductory class, we should remember that it forms the connecting link between the highest classes in the Ward Schools, and the regular collegiate classes in the Academy. It furnishes a common standard for all the schools, and is the means by which a healthy vigor is communicated through the entire school system. It also furnishes the opportunity to subject a large number of pupils, of about the same age, to a uniform system of education, which results in a thorough preparation for the collegiate course. It has been remarked, by persons conversant with educational matters, that the formation of this class in the Academy was an improvement of great importance, from the fact that it affords an opportunity of one or two years' mental and moral culture, to a large number of youth in the city, who otherwise would almost be turned into the streets.

The Faculty would not be understood, however, as recommending a large Introductory class, at the expense of thorough qualification. The Executive Committee and the Board were inclined, at first, to admit candidates liberally, while the classes in the Academy were being filled to the capacity of the building. It is now unanimously conceded, that quite a proportion of those who have left during the Introductory year, did so because they became weary of a course of study for which they were not well prepared. It is obvious, then, that great disappointment must result, both to the students and to their friends, by the adoption of any other standard for admission than that of thorough qualification.
The above table also indicates, that the number in the senior class, is gradually forming a larger proportion of the number in the Academy, and in each of the lower classes. The average for the last ten years shows that the senior class is about

5 per cent. of all the Students.
9 per cent. of the Introductory.
22 per cent. of the Freshman.
43 per cent. of the Sophomore.
67 per cent. of the Junior.

It is with satisfaction that the Faculty refer to the tabular statements above, as indicative of the general prosperity of the Institution. Not only does the total increase in our number exceed, but the increase of each of the classes, for ten years, exceeds, the increase in the population of the city during the same period. This may be stated as follows:

59 per cent. increase in the population of the city.
72 per cent. increase in Senior Class.
50 per cent. increase in Junior Class.
80 per cent. increase in Sophomore Class.
130 per cent. increase in Freshman Class.
128 per cent. increase in Introductory Class.
110 per cent. increase in whole number.

We cannot measure the influences, social, intellectual, and moral, that flow from an institution which contains several hundred members, representing the various occupations of a city like New York. The cultivation and discipline impressed upon such a number of minds, must originate a series of actions and reactions in society, the results of which it is impossible to estimate. It is too often the case that an institution of learning is measured by the number of graduates, instead of by the whole number of students. The effect of this is illustrated in our own case, as follows: calling the influence exerted upon society by the upper class one, we have

339 Seniors producing a result.......................... 1
606 Juniors " " ........................................... 1.5
767 Sophomores " " ...................................... 2.2
1503 Freshmen " " ...................................... 4.4
3811 Introductory " " ................................... 11.2
4926 Whole number " " .................................. 20.3

By a reference to the table it may be noticed, that for several years the number of teachers in the Academy has been diminished, while the
number to be instructed is very much increased. The Faculty have voluntarily taken this extra duty upon themselves, in view of the financial condition of the country, which commenced in 1857, and was subsequently intensified by the civil war. Although it is doubtful, whether one instructor can take charge, advantageously, of more than about twenty-five students, still the average number for each teacher, since 1853, has increased from twenty to thirty-seven, or an increase of nearly one hundred per cent. This large assumption of labor by so few teachers has an important bearing upon the annual expenses of the Institution. By this economy of labor on the part of the corps of instructors, there has been but a slight increase in annual expenses for seven years, notwithstanding there has been a large increase in the number of students.

In this connection, the Faculty deem it proper to refer to an erroneous idea entertained by some, in regard to the cost of educating a student in the Free Academy. This mistaken view is based upon the number of graduates, independent of the time they may have been members of the Academy, and independent, also, of the whole number of students. The cost of popular education is a matter of too much importance to be left in an unsettled form, and the Faculty avail themselves of the present opportunity, to compare the expenses of education in the Academy, with the expense of liberal education in other places.

This subject was, in 1851, treated in a very clear and able manner by a Committee of the Board, composed of Hon. Luther Bradish, J. E. Carey, Wm. D. Murphy, Hugh Sweeney, J. H. Hobart Haws, John D. Russ, and E. C. Benedict. Their Report, which was deduced from data, having reference to institutions in every part of the United States, was so convincing upon this point, that the attention of the Board is solicited to the following quotation. "From this table," say the Committee, "it will be perceived, that, making a due allowance for those institutions, an estimate of whose property is either wholly or partially omitted, the aggregate endowments or property of the fifty-five colleges and universities embraced in the table, is about ten millions of dollars. This amount is believed to be rather below than above the reality. The yearly interest on this sum, at six per cent. per annum, is $600,000. The amount of charges for tuition, &c., in the same institutions appears to be $390,292 annually; and the aggregate number of students 6,429. Now, if we add to the interest on the capital in-
vested, the charge for tuition, &c., and divide the amount, say $990,292 by the 6,429, the whole number of students, we shall have, as the average annual cost per student, for education in the Colleges $154 03, besides books, stationery, and other incidental expenses."

The fallacy of estimating the cost from the number of graduates may be seen from the following calculation, which is based upon the expenses of the Academy for 1861, and the present number of students.

If $7,500, which is the interest, at six per cent., on $125,000, the estimated value of Academic property, be added to $51,356, which is the current expense for 1861, we have $58,856 for the annual cost of 916 students, who were on the rolls of the institution at the beginning of the term in September, 1862.

According to an estimate of some, who take the number of graduates as the basis of expense, it would appear that 42 graduates, which is the average number for the last three years, are educated at an average expense of $1,401 34!

The course of study in the Academy extends through five years, and since it is the yearly expense we are seeking, the average annual cost of 42 graduates, exclusive of all the members of the other classes, would be but the fifth part of $1,401 34, or $280 27.

But, since there are 916 students on the rolls, instead of 42, the average annual cost of educating each student is but $64 25.

And if from $64 25 we deduct, say $4 25 for the average cost of books, &c., in order to compare the result with $154, which was the annual cost of educating a student in the United States, as shown by the Committee just referred to, we have $60 for the average annual cost of educating a student in the Free Academy, exclusive of books, &c.

The result of the comparison will be, then, as follows:

- Average annual cost of educating a student in the United States... $154
- Average annual cost of educating a student in the Free Academy... 60

As the rolls are formed in July, the number of students, who actually commence the term in the following September, is somewhat less. If this latter number is taken, the average expense will, of course, be something more than $60.

From this comparison, it appears that the cost of educating a student in the Free Academy, in a city where all expenses are at the
very highest rates, is not much more than one third as much as the cost of educating a student in the more rural parts of the United States, where the corresponding expenses are at much lower rates.

The Faculty would call the attention of the Board to our want of room for the present number of students. Upon the plan first adopted, which provided a seat and desk for every student, only about five hundred could be accommodated. When the number reached six hundred, the Committee changed the study-rooms of the two higher classes into rooms for recitations. This made it necessary for the students of these classes to leave the building, when through their recitations, and study at home. This early leaving of the students was found, in some respects, to be a very satisfactory arrangement, for it resulted in a diminution in cases for discipline, in a more thorough preparation for recitations, and in a saving of expense to the amount of the salary of one teacher.

When the number reached seven hundred, nearly all the study-rooms were changed into rooms for recitation, and the Principal was compelled to meet his classes in the basement. This change resulted in having the Freshmen and Sophomores leave the building, and in the corresponding advantages, mentioned in the case of the upper classes. The expense saved by these changes, amounted to more than the salary of two instructors. The number of the students soon reached eight hundred, which caused a subdivision of the rooms, making many of them too small, and of an improper form. Finally, with our present number, of over nine hundred, the upper hall is inconveniently full, and we are compelled to hear sections which are fifty per cent. larger than were originally designed, in rooms which are one half their former size. It is obvious, that we have now reached a limit beyond which we cannot pass, and that some plan must be adopted to meet the difficulty. The Faculty would propose, either to change the age for the admission of candidates, from 14 years to 15 years, or to raise the standard of attainment at the examination. By either of these modes, the number of students admitted could be graduated to the capacity of the Academy building.

Before closing their Report, the Faculty would call the attention of the Board to the Library, and the more immediate wants of some of the Departments.

The Library, which, in 1850, consisted of but a few hundred books, has increased, by means of the Literature Fund and by private dona-
tions, till it now contains nearly 10,000 volumes. While the Library was small, it was necessary that a large share of the books for the use of the students should consist of the general literature of the day. This demand has now been satisfied, and it is recommended that, for the future, the Fund be used in the purchase of valuable standard works for the different Departments. The Faculty would also ask the opinion of the Board, in regard to the propriety of an additional annual appropriation for increasing the Library, so as to meet the wants of the public. If the Board should adopt this suggestion, the Academy Library might soon be made to rank among the most valuable in the United States, and be worthy the attention of scholars in the various departments of Science, Literature, and Art. It is also suggested that the Library room be warmed and lighted on two or three evenings of each week, for the accommodation of the Teachers in the Public Schools, whose duties do not allow them any other time for the consultation of books.

In the Department of Pure Mathematics, there are needed for the purposes of instruction, models to illustrate the solids of Geometry, and the intersections of plane and curved surfaces, in Descriptive Geometry. A trifling expense will make the collection sufficiently complete for practical purposes.

In the Department of Drawing, there is already quite a number of Antique Casts, but a few models, to illustrate Mediaeval and Modern Art, would add very much to the value of our present collection.

In the Department of Mixed Mathematics, the apparatus is quite complete for the purposes of Mechanics and Civil Engineering, but there is required an addition to the Astronomical apparatus. Since the beginning of the present civil war, the Executive Committee have directed that the subjects of Field Fortifications, Ordnance, and Gunnery, should be taught in the Department of Mixed Mathematics, and have, on the recommendation of the Faculty, adopted the textbooks on those subjects, used at West Point. The Executive Committee, after an examination of the models of Field and Permanent Fortifications, at West Point, ordered some, of similar construction, for the Academy, which have been used for the students with great advantage.

If arms could be procured from the state, or otherwise, there seems to be no reason why Infantry and Artillery Tactics should not form part of our course of instruction. Students of the Academy,
by the demands of the war, have been called to serve, not only as soldiers in the ranks, but to take the more responsible positions of regimental officers, and in several instances as staff officers of divisions. It is very important, therefore, that our graduates should have every facility afforded them to render them thoroughly accomplished, and prepared to assume such responsible duties with credit to themselves and the institution which sends them forth.

In the department of Chemistry and Physics, the Physical Cabinet, while containing some fine pieces of apparatus, requires additions, to render it capable of fully illustrating the science of the day.

The Faculty cannot close their Report without congratulating the Board and the Executive Committee that the Academy, in regard to number of students, grade of scholarship, discipline, and the regular working of all its departments, was never in a more flourishing condition than at present.

All of which is respectfully submitted.

HORACE WEBSTER,
President of the Faculty.

G. B. Doherty, Secretary.